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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,433	01/20/2004	Junichi Terasaki	VX042586	1150

21369 7590 06/01/2005

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EXAMINER

HOPKINS, ROBERT A

ART UNIT	PAPER NUMBER
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1724

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/759,433

Applicant(s)

TERASAKI ET AL.

Examiner

Robert A. Hopkins

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5-19-04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Jorget et al(6755906).

Jorget et al teaches a method for treating exhaust gas from cement manufacturing equipment comprising a step of treating exhaust gas from cement manufacturing equipment(7) by using dust collection means(8) to collect dust containing chlorinated organic compounds, and discharging the exhaust gas after the treatment by the dust collection means, and a step of charging at least a part(2') of the collected dust into a place(by recirculation line 6) having a temperature of at least 800 degrees C inside the cement manufacturing equipment. Jorget et al further teaches a step of charging a remainder of the dust(2) into a place having a temperature below 800 degrees C inside the cement manufacturing equipment. Jorget et al further teaches wherein the exhaust gas from the cement manufacturing equipment is treated using dust collection means installed at a site where the temperature of the exhaust gas is 30 to 400 degrees C.

Claims 9 and 11 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Jorget et al(6755906).

Jorget et al teaches a system for treating exhaust gas from cement manufacturing equipment comprising a suspension preheater(cyclone exchanger 15) for preheating cement raw materials, a rotary kiln(16) for cement clinker firing connected to a bottom part of the suspension preheater, an exhaust gas passage(1) for discharging exhaust gas generated during the cement clinker firing, and dust collecting equipment(8) that is connected to the exhaust gas passage and is for collecting dust containing chlorinated organic compounds in the exhaust gas, wherein the system further comprises dust feeding means for charging at least part of the dust collected by the dust collecting equipment into the rotary kiln(16). Jorget et al further teaches dust conveying means(13) for charging at least part of the remainder of the dust collected by the dust collecting equipment into a place on a cement raw materials inlet side at a distance from the parts inside the suspension preheater capable of reaching a temperature of at least 800 degrees C.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 9-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Giorgi(3618916) taken together with Jorget et al(6755906).

Giorgi teaches a system for treating exhaust gas from cement manufacturing equipment comprising a suspension preheater(3,4,5) preheating cement raw materials, a rotary kiln(10) for cement clinker firing connected to a bottom part of the suspension preheater, a pre-calciner(not shown) between the suspension preheater and the rotary kiln, an exhaust gas passage(12,18,16,20) for discharging exhaust gas generated during the cement clinker firing, and dust collecting equipment(30) that is connected to the exhaust gas passage and is for collecting dust containing chlorinated organic compounds in the exhaust gas, and dust feeding means(50) for feeding the dust into a stage of the preheater less than 800 degrees C. Giorgi is silent as to dust feeding means for charging at least part of the dust collected by the dust collecting equipment into the suspension preheater capable of reaching at least 800 degrees C, the precalciner, and rotary kiln. Jorget et al teaches a system for treating exhaust gas from cement manufacturing equipment comprising a suspension preheater(cyclone exchanger 15) for preheating cement raw materials, a rotary kiln(16) for cement clinker firing connected to a bottom part of the suspension preheater, an exhaust gas passage(1) for discharging exhaust gas generated during the cement clinker firing, and dust collecting equipment(8) that is connected to the exhaust gas passage and is for collecting dust containing chlorinated organic compounds in the exhaust gas, wherein the system further comprises dust feeding means for charging at least part of the dust collected by the dust collecting equipment into the rotary kiln(16). It would have been obvious to someone of ordinary skill in the art at the time of the invention to charge a

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part of the dust collected by the dust collecting equipment(30) into the rotary kiln(10) in order to fully remove the chlorinated organic compounds from the system.

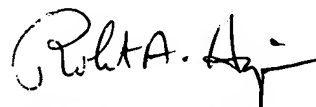
Giorgi further teaches wherein the exhaust gas passage is provided so as to be able to collect exhaust gas that has passed through the suspension preheater.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert A. Hopkins whose telephone number is 571-272-1159. The examiner can normally be reached on Monday-Friday, 7am-4pm, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rah
May 27 ,2005



ROBERT A. HOPKINS
PRIMARY EXAMINER

A.U.1724